

**TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS**

SI No.	Description of items	Quantity
PUR/202/R&A/CK/E/2020-21		
01.	Battery Operated 24-Bit Data Acquisition System for Autonomous Recording with Geophones in a Field Application (Detailed Specification as per Annexure)	01 No.

**1. INSTALLATION/COMMISSIONING**

1.1. Not Required

**2. Warranty**

2.1. 01 Year from the date of Acceptance of the Ordered goods.

**Note: Manufacturer's Authorization Form must be submitted by Non-OEM Bidders.**

## Battery operated 24-Bit Data Acquisition System for autonomous recording with Geophones in a Field Application

### Specification:

Number of Channels - Minimum 6

Programmable Sampling Rates (Samples/Second) - 125, 250, 500, 1k, 2k, 4k, 8k, 16k, 32k & 64k

Bandwidth - DC to Minimum upto 50% Nyquist Sampling Frequency

Acceptable Peak-to-Peak Input Voltage - Less than 10 V

Noise in  $\mu\text{V}$  - Less than 0.2

Acceptable Distortion - 0.0005%

Programmable Preamplifier Gain - 1x, 4x, 16x

Minimum Internal Memory - 4 GB

Operational Voltage - 9 V- 24 V @ 2A

Data Format Support - SEG-Y, SEG-D, ASCII, miniSEED, GPX, & SPS

Support - USB, Internal Radio, Wi-Fi, GPS, Network and External Trigger

Warranty: 1 Year

Note: Necessary cables, connectors and accessories need to be provided with the data acquisition system

*Aminirahm*  
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